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OM protein - protein search, using sw model

Run on: July 27, 2005, 14:35:07 ; Search time 25 Seconds
 (without alignments)
 1.334 / 725 Million cell updates/sec

Title: US-09-596-958A-2
 Perfect score: 2310
 Sequence: 1 MSILTNNNTSSSPGLFQSG LGDVENHYKVPMSANLKVAE 447

Scoring table: BLOSUM62
 Gapop: 10.0 , Gapext: 0.5

Searched: 512545 seqs, 74643064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

Database : Issued Patents AA:
 1: /cgn2_6/podata/1/iaa/5A.COMB.pep:
 2: /cnr2_6/podata/1/iaa/5B.COMB.pep:
 3: /cgn2_6/podata/1/iaa/5A.COMB.pep:
 4: /cgn2_6/podata/1/iaa/6B.COMB.pep:
 5: /cnr2_6/podata/1/iaa/5CTUS.COMB.pep:
 6: /cgn2_6/podata/1/iaa/backfiles1.pep:
 * Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description
1	2310	100.0	447	3	US-09-120-927-2		Sequence 2, Appli
2	2310	100.0	447	4	US-09-431-614-6		Sequence 6, Appli
3	559	24.2	424	3	US-09-120-817-2		Sequence 2, Appli
4	559	24.2	424	4	US-09-431-614-14		Sequence 14, Appli
5	359.5	15.6	197	3	US-09-402-668-2		Sequence 2, Appli
6	341	14.8	221	3	US-09-198-956-4		Sequence 4, Appli
7	341	14.8	221	4	US-09-670-141-4		Sequence 4, Appli
8	190.5	8.2	62	3	US-09-402-668-10		Sequence 10, Appli
9	181.5	7.9	2411	3	US-09-268-347-36		Sequence 36, Appli
10	174	7.5	2042	4	US-09-077-098A-6		Sequence 6, Appli
11	165.5	7.2	344	1	US-08-891-254-7		Sequence 7, Appli
12	165.5	7.2	344	2	US-08-195-39-7		Sequence 7, Appli
13	165.5	7.2	344	2	US-09-030-270A-7		Sequence 7, Appli
14	165.5	7.2	344	3	US-08-984-207-7		Sequence 7, Appli
15	165.5	7.2	344	3	US-09-013-587-7		Sequence 7, Appli
16	165.5	7.2	344	4	US-09-086-118-27		Sequence 27, Appli
17	165.5	7.2	344	4	US-09-431-614-15		Sequence 15, Appli
18	165.5	7.2	344	5	PCT-US96-0819-7		Sequence 7, Appli
19	160.5	6.9	907	2	US-09-010-928B-4		Sequence 4, Appli
20	157.5	6.8	2870	4	US-09-479-467A-15		Sequence 15, Appli
21	157.5	6.8	3178	4	US-09-479-467A-4		Sequence 4, Appli
22	156.5	6.8	1912	3	US-08-409-995-4		Sequence 4, Appli
23	156.5	6.8	1912	3	US-08-685-467-4		Sequence 4, Appli
24	156	6.8	2039	4	US-09-077-098A-7		Sequence 7, Appli
25	155.5	6.7	2353	3	US-09-377-155-33		Sequence 33, Appli
26	155.5	6.7	2353	3	US-08-913-942-4		Sequence 4, Appli
27	155.5	6.7	2353	3	US-09-669-974-33		Sequence 33, Appli

ALIGNMENTS

RESULT 1
 US-09-120-927-2
 ; Sequence 2, Application US/09120927
 ; Patent No. 6262018

; GENERAL INFORMATION:
 ; APPLICANT: Kim, Jihyun Francis
 ; APPLICANT: Bear, Steven V.
 ; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FROM ERWINIA AMYLOVORA AND ITS USE
 ; NUMBER OF SEQUENCES: 3

; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
 ; STREET: P.O. Box 1051, Clinton Square
 ; CITY: Rochester
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 14603

; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/120,927
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/055,108
 ; FILING DATE: 05-AUG-1977
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Goldman, Michael L.
 ; REGISTRATION NUMBER: 30,127
 ; REFERENCE DOCKET NUMBER: 19603/1581
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (716) 263-1304
 ; TELEFAX: (716) 263-1600
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 447 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS:
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein

US-09-120-927-2

Qy 1 MSILTNNNTSSPGLFQSGDNGIIGHGNANSALGQQPLDQTIEQMAQLLBSLLS 60

1 MSITLNNTSSPGLFQGGDNGLGGINANSALGQQPDRQTEQWQLLAKLKSLS 60 Qy 241 NSVAFATSAGANOTVLHDTITYKAGOVEDGKGOTETAGSELGDGQSENQKPLFILEDGAS 300
 61 PQSGNAATGAGNDQTTGAGNGLRGTAGTPQSDSQNLSEMNGNLDQATPPDG 120 Db 241 NSVAFATSAGANOTVLHDTITYKAGOVEDGKGOTETAGSELGDGQSENQKPLFILEDGAS 300
 Db 61 PQSGNAATGAGNDQTTGAGNGLRGTAGTPQSDSQNLSEMNGNLDQATPPDG 120 Qy 301 LKNVTMDDGADGICHLYGDAKIDNLHVTNVGDAITVKPNSAGKSHVEITNSSPEHASD 360
 Qy 121 QGGGIGDNPILKAMLKLARMMDQSDFGOPGTGNNSASCTSSGGSPFDLSCGKA 180 Db 301 LKNVTMDDGADGICHLYGDAKIDNLHVTNVGDAITVKPNSAGKSHVEITNSSPEHASD 360
 Db 121 QGGGIGDNPILKAMLKLARMMDQSDFGOPGTGNNSASCTSSGGSPFDLSCGKA 180 Qy 361 KIQLNADTNLSVDNVAKADFGETFVRINGGOGNWDINLISHISAEQGKFSPVKSDFSEGLN 420
 Qy 181 PSGNPSGNYSPVSTFSPTSPSTPSPTSPDFFPSSPTKAAGGSTPVTDHDPVGSAIGAG 240 Db 361 KIQLNADTNLSVDNVAKADFGETFVRINGGOGNWDINLISHISAEQGKFSPVKSDFSEGLN 420
 Db 181 PSGNPSGNYSPVSTFSPTSPSTPSPTSPDFFPSSPTKAAGGSTPVTDHDPVGSAIGAG 240 Qy 421 VNTSDISLGDVENHYKVPMSANLKVAE 447
 Qy 241 NSVAFATSAGANOTVLHDTITYKAGOVEDGKGOTETAGSELGDGQSENQKPLFILEDGAS 300 Db 421 VNTSDISLGDVENHYKVPMSANLKVAE 447
 Db 241 NSVAFATSAGANOTVLHDTITYKAGOVEDGKGOTETAGSELGDGQSENQKPLFILEDGAS 300 Qy RESULT 3
 301 LKNVTMDDGADGICHLYGDAKIDNLHVTNVGDAITVKPNSAGKSHVEITNSSPEHASD 360
 Db 301 LKNVTMDDGADGICHLYGDAKIDNLHVTNVGDAITVKPNSAGKSHVEITNSSPEHASD 360 ; Sequence 2, Application US/09120817
 ; Patent No. 612184
 ; GENERAL INFORMATION:
 ; APPLICANT: Colimer, Alan
 ; APPLICANT: Charkowski, Amy
 ; APPLICANT: Alfano, James R.
 ; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FROM
 ; TITLE OF INVENTION: PSEUDOMONAS STRINGAE AND ITS USE
 ; NUMBER OF SEQUENCES: 8
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
 ; STREET: P.O. Box 1051, Clinton Square
 ; CITY: Rochester
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 14603
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent in Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/120,817
 ; FILING DATE:
 ; PRIORITY DATA:
 ; PRIORITY NUMBER: US 60/055,107
 ; FILING DATE: 06-AUG-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Goldman, Michael L.
 ; REGISTRATION NUMBER: 19603/1741
 ; REFERENCE/DOCKET NUMBER: 30-727
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (716) 263-1304
 ; FAX: (716) 263-1600
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 424 amino acids
 ; STRANDEDNESS:
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-09-120-817-2

RESULT 2
 US-09-431-614-6
 ; Sequence 6, Application US/09431614
 ; Patent No. 6624139
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Zhong-Min
 ; APPLICANT: Scheading, Richard L.
 ; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS
 ; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS
 ; FILE REFERENCE: 2189/41 (EBC 003)
 ; CURRENT APPLICATION NUMBER: US/09/431,614
 ; CURRENT FILING DATE: 1999-11-12
 ; EARLIER APPLICATION NUMBER: 60/107,243
 ; EARLIER FILING DATE: 1998-11-05
 ; SEQ ID NO: 18
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 6
 ; LENGTH: 447
 ; TYPE: PR
 ; ORGANISM: Erwinia amylovora
 ; US-09-431-614-6

Query Match 100.0%; Score 2310; DB 4; Length 447;
 Best Local Similarity 100.0%; Pred. No. 3.2e-36;
 Matches 447; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSITLNNTSSPGLFQGGDNGLGGINANSALGQQPDRQTEQWQLLAKLKSLS 60
 Db 1 MSITLNNTSSPGLFQGGDNGLGGINANSALGQQPDRQTEQWQLLAKLKSLS 60
 Qy 61 PQSGNAATGAGNDQTTGAGNGLRGTAGTPQSDSQNLSEMNGNLDQATPPDG 120
 Db 61 PQSGNAATGAGNDQTTGAGNGLRGTAGTPQSDSQNLSEMNGNLDQATPPDG 120
 Qy 121 QGGGIGDNPILKAMLKLARMMDQSDFGOPGTGNNSASCTSSGGSPFDLSCGKA 180
 Db 121 QGGGIGDNPILKAMLKLARMMDQSDFGOPGTGNNSASCTSSGGSPFDLSCGKA 180
 Qy 181 PSGNPSGNYSPVSTFSPTSPSTPSPTSPDFFPSSPTKAAGGSTPVTDHDPVGSAIGAG 240
 Db 181 PSGNPSGNYSPVSTFSPTSPSTPSPTSPDFFPSSPTKAAGGSTPVTDHDPVGSAIGAG 240
 Qy 181 PSGNPSGNYSPVSTFSPTSPSTPSPTSPDFFPSSPTKAAGGSTPVTDHDPVGSAIGAG 240

123 -TPSADS----GGGG----TPDATGGG-GDTP----SATGGG 151
 154 GTGNNSASSGTSSGGSPFPNDLSCGKAPSGNSPSGNYSPVSTFSPPSTPSTSPLDFPS 213
 152 GGDPTPATGGGGGGTTATGG---SGGTTATGGGGGGTQRTPL----A 200

RESULT 5
 Qy 214 SPTKAAGGSTPTDHDPVSGAGGAGNSWAFTSAGANOTVLLHPTITVKGQVFDGKGQT 273
 Db 201 NPRTSG----TGSVSDTAGS---TQAGKINVKDITKVGAEVFDGHGAT 245
 Qy 274 PTAGSELGPGQSENQKPLFILEDAGSLKNVTMGGDGAQDILHYG---DAKIDNLHVTN 329
 Db 246 FTADKSMGNGDQGENQKPMELAGTLKVNVLGENEVDDIGHVAKNAQEVTDVHNQH 305
 Qy 330 VGEDAITVYKPNASKSHVETNTSSFEHASDKLQLQNAATTNLSDVDNKAKDGFTRVTING 389
 Db 305 VGEDLITYKEGGAVAVNNKTKSAKGDKVQVLNANTHLKDNDLKLATGNTAMTDVHAY 412

RESULT 4
 US-09-431-614-14
 ; Sequence 14 , Application US/09431614
 ; Patent No. 6242139
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Zhong-Min
 ; ATTORNEY: Schading, Richard L.
 ; TITLE OF INVENTION: HYPERSENSE RESPONSE ELICITOR-INDUCED STRESS
 ; TITLE OF INVENTION: RESISTANCE
 ; FILE REFERENCE: 21829/41 (EBC-003)
 ; CURRENT APPLICATION NUMBER: US/09/431,614
 ; CURRENT FILING DATE: 1999-11-02
 ; EARLIER FILING DATE: 1998-11-05
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 14
 ; LENGTH: 424
 ; TYPE: PRT
 ; Pseudomonas syringae
 US-09-431-614-14

Query Match Score 559; DB 4; Length 424;
 Best Local Similarity 36.1%; Pred. No. 3; 2e-36; Indels 74; Gaps 13;
 Matches 147; Conservative 54; Mismatches 132;

Qy 37 QPDRQTEQMAQQLAELIKSL---LSPQSGNAATGAGGNDQTTGVGNAGGLNGRKGTAG 93
 Db 72 KPDNSQS-NIAKLSALIMSLQMLTNNSKKQDTNOEQDSQAOPFQNNGLG-----122

Qy 94 TTPDSQNMNLSEMGNNGLDQATPDDGQGGQIDQNLKJARMMDQSDQFGQP 153
 Db 123 -TPSADS----GGGG----TPDATGGG-GDTP----SATGGG 151

RESULT 6
 US-09-198-956-4
 ; Sequence 4 , Application US/09198956
 ; Patent No. 6165769
 ; GENERAL INFORMATION:
 ; APPLICANT: Andersen, Lene N.
 ; SCHULEIN, Martin K.
 ; APPLICANT: Lange, Niels Erik K.
 ; APPLICANT: Bjornvad, Mads E.
 ; APPLICANT: Schnorr, Kirk
 ; TITLE OF INVENTION: Pectin Degrading Enzymes From Bacillus
 ; TITLE OF INVENTION: Licheniformis
 ; FILE REFERENCE: 5377-1998-11-24-US
 ; CURRENT APPLICATION NUMBER: US/09/198, 956
 ; CURRENT FILING DATE: 1998-11-24
 ; EARLIER APPLICATION NUMBER: 1344/97
 ; EARLIER FILING DATE: 1997-11-24

Qy 154 GTGNNSASSGTSSGGSPFPNDLSCGKAPSGNSPSGNYSPVSTFSPPSTPSTSPLDFPS 213
 Db 152 GGDPTPATGGGGGGTTATGG---SGGTTATGGGGGGTQRTPL----A 200

Qy 214 SPTKAAGGSTPTDHDPVSGAGGAGNSWAFTSAGANOTVLLHPTITVKGQVFDGKGQT 273
 Db 201 NPRTSG----TGSVSDTAGS---TQAGKINVKDITKVGAEVFDGHGAT 245
 Qy 274 PTAGSELGPGQSENQKPLFILEDAGSLKNVTMGGDGAQDILHYG---DAKIDNLHVTN 329
 Db 246 FTADKSMGNGDQGENQKPMELAGTLKVNVLGENEVDDIGHVAKNAQEVTDVHNQH 305
 Qy 330 VGEDAITVYKPNASKSHVETNTSSFEHASDKLQLQNAATTNLSDVDNKAKDGFTRVTING 389
 Db 306 VGEDLITYKEGGAVAVNNKTKSAKGDKVQVLNANTHLKDNDLKLATGNTAMTDVHAY 412

REGISTRATION NUMBER: 25,618
 REFERENCE/DOCKET NUMBER: TOKUNAGA=1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 201-628-5197
 TELEFAX: 202-737-3528
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2042 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 SEQUENCE DESCRIPTION: SEQ ID NO: 6:
 US-09-077-098A-6

Query Match 7.5%; Score 174; DB 4; Length 2042;
 Best Local Similarity 23.2%; Pred. No. 8 7e-05;
 Matches 114; Conservative 64; Mismatches 189; Indels 124; Gaps 22;

Qy 29 NANALGQQPIDRQTEQMAQLLAEILKSLSPQSGNATGAGCNDTGTGVGNAGGLNCR 88
 Db 905 NASNADSAKRNVGGTTPQAJAQLAN-NNTLNDAKGQDOSIAFGWQAKTSGANN--GLACK 961
 Qy 89 KGTAA-GTTPOSDSONMLSEMGNGLDQAITPDGOGGGQIGDNPLKAMKLIAARMMDGOS 147
 Db 962 QATAIGFOANSAENAIS-IGTINS-DTSMT---GAVAGKGATVAGSK-----PS 1007
 Qy 148 DQFQPGTGNNSAASSGTSS--GGSFENDLGGKAPSG-----NSPGSNT 191
 Db 1008 IALQGDSTVANSALISTSSPMINGLIFNNFAGSPETLGVSIGTAGRERKIVNVAQDVS 1067
 Qy 192 PVSTFSPPTPSPSTS-PUDFPPSPTRKAGGSTVTDHPDVSGAGIGAGNSVAFS-AG 249
 Db 1068 QASSTEAINQSQLYATNPMSKVQSVSNFG-----GRVNLTGDTGTTFTTNIG 1116
 Qy 250 ANQTVLHDIT----VKAGQ-----VFDKGKQFTTAGSELGDGG-----284
 Db 11117 TGQATIHDAINNVLTGKLYLAQONDPTGNQGQKVELGNAITULSATNQWANNGNYKTN 1176
 Qy 285 ---QSENOKPLFILEDGASLRNVTMGDDGADGHLHYGAOKIN-----LHVNTNV 330
 Db 1177 LTTYNNSONGTILFGMRDPSVKQTAGT---YNTTGDAKKNNQNLNNTLQQTTEATGI 1211
 Qy 331 -----GEDATTVKPNAG--KKSHVETTNSSEFHASKDKLQLNADTNLSVD 374
 Db 1232 TSSVGTNSTNAGFSLJADS/TFSRGAGTVRLSGS DATA DTQALKVKEYRTLVGN 1291
 Qy 375 NYKAQKDFGTIVRNGQGQ--NWDLNLNLSHISAEDGKFESFKSDS EGL-----NYN 422
 Db 1292 DITTAAD---RSQGTSNITYNLSNKTOTVSAEKVUSGKTVYEARNITAICNIFTIG 1346
 RESULT 11
 Sequence 6, Application US/09077098A
 Patent No. 6544519
 GENERAL INFORMATION:
 APPLICANT: TOKUNAGA, Eiji
 SARAGUCHI, Maasaki
 MATSUO, Kazuo
 HANADA, Fukuaburo
 TOKIYOSHI, Sachio
 TITLE OF INVENTION: NOVEL POLYPEPTIDE FROM HAEMOPHILUS
 PARACALLINARUM AND PROCESS FOR PREPARING THE SAME
 NUMBER OF SEQUENCES: 8
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BROWDY AND NEIMARK
 STREET: 624 Ninth Street, N.W., Suite 300
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20001
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/077,098A
 FILING DATE: 19-May-1998
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/JP97/03222
 FILING DATE: 12-SEP-1997
 APPLICATION NUMBER: JP 27,148/1996
 FILING DATE: 19-SEP-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: KORNBAU, Anne M.

RESULT 11
 US-08-891-254-7
 Sequence 7, Application US/08891254
 Patent No. 5776589
 GENERAL INFORMATION:
 APPLICANT: Wei, Zhong-Min
 APPLICANT: Beer, Steven V.
 TITLE OF INVENTION: Hypersensitive Response
 TITLE OF INVENTION: Induced Resistance In Plants
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Nixon, Hargrave, Devans & Doyle,
 STREET: Clinton Square, P.O. Box 1051
 CITY: Rochester
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 14603

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/891, 254
 FILING DATE: 10-JUL-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Goldman, Michael L.
 REFERENCE/DOCKET NUMBER: 14603/10050
 TELEPHONE: (716) 263-1304
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/475, 775
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Goldman, Michael L.
 REFERENCE/DOCKET NUMBER: 14603/10050
 TELEPHONE: (716) 263-1304
 TELECOMMUNICATION INFORMATION:
 INFORMATION FOR SEQ ID NO: 7:
 LENGTH: 344 amino acids
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-891-254-7

Query Match 7.2%; Score 165.5; DB 2;
 Best Local Similarity 32.0%; Pred. No. 3.6e-05;
 Matches 57; Conservative 20; Mismatches 80; Indels 21; Gaps 7;

SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US 08-891-254-7

Query Match 7.2%; Score 165.5; DB 1; Length 344;
 Best Local Similarity 32.0%; Pred. No. 3.6e-05;
 Matches 57; Conservative 20; Mismatches 80; Indels 21; Gaps 7;

SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US 08-891-539-7

Query Match 7.2%; Score 165.5; DB 2;
 Best Local Similarity 32.0%; Pred. No. 3.6e-05;
 Matches 57; Conservative 20; Mismatches 80; Indels 21; Gaps 7;

SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: protein

US 08-891-539-7

RESULT 12
 US-08-891-539-7
 Sequence 7, Application US/08B19539
 Patent No. 5859324

GENERAL INFORMATION:
 APPLICANT: Beer, Steven V.
 TITLE OF INVENTION: Hypersensitive Response
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Nixon, Hargrave, Devans & Doyle
 STREET: Clinton Square, P.O. Box 1051
 CITY: Rochester
 STATE: New York
 COUNTY: U.S.A.
 ZIP: 14603

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/819, 539
 FILING DATE: 17-MAR-1997
 CLASSIFICATION: 800
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: 08/475, 775

RESULT 13
 US-09-030-270A-7
 Sequence 7, Application US/09030270A
 Patent No. 5977060

GENERAL INFORMATION:
 APPLICANT: Zitter, Thomas A.
 APPLICANT: Wei, Zhong-Min
 TITLE OF INVENTION: INSECT CONTROL WITH A
 TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
 STREET: P.O. Box 1051, Clinton Square
 CITY: Rochester
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 14603

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/030-270A
 FILING DATE: 28-FEB-1997
 CLASSIFICATION: 514
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 60/039, 226
 FILING DATE: 28-FEB-1997
 ATTORNEY/AGENT INFORMATION:
 NAME: Goldman, Michael L.
 REFERENCE/DOCKET NUMBER: 14603/1521
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (716) 263-1304
 TELFAX: (716) 263-1600
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids

TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: Linear
 MOLECULE TYPE: protein

US-09-030-270A7

Query Match 7.2%; Score 165.5; DB 2; Length 344;
 Best Local Similarity 32.0%; Pred. No. 3.6e-05;
 Matches 57; Conservative 20; Mismatches 80; Indels 21; Gaps 7;

Qy 18 QSGGD--NGLGGHNAASALGQQPIDRQTIEQMAQLLAEI-LKSLSPSGNAAATAGGN 73
 Db 134 QPGENDKGNGVGGANGAKAGGGCGLAEI-EQILAQGGGAGAGGGGGAGCA 193

Qy 144 QPGENDKGNGVGGANGAKAGGGCGLAEI-EQILAQGGGAGAGGGGGAGCA 193

RESULT 15
 US-09-013-587-7

Qy 74 DQTTGVNAGGLNGRKTAGT--TPQSDSONMILEMGNGNLQAITPDG--QGGGQIGDN 129
 Db 194 DGGSGAGGAGGANGADGGNGVNGNQANGPQNAGDVNGANGAD---DQSEDQGLTGVL 248

Qy 130 PLLKAMLKLIARMMD----GQSDQFGQGTGNNSASCTSSGGSP--FNDLSSGGK 179
 Db 249 QKLMKILNALVQMMQGGLGCGNQAQGGSKGAGNASPSSCANPGANQPSADDQSGQ 306

RESULT 14
 US-08-984-207-7

Qy 144 Sequence 7, Application US/08984207
 Db 6235974 Patent No. 6235974

GENERAL INFORMATION:
 APPLICANT: Qiu, Dewen
 APPARTANT: Wei, Zhong-Min
 INVENTOR: Beer, Steven V.
 TITLE OF INVENTION: HYPERSENSITIVE RESPONSE INDUCED
 TITLE OF INVENTION: RESISTANCE IN PLANTS BY SED TREATMENT
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSSEE: Nixon, Hargrave, Devans & Doyle LLP
 STREET: P.O. Box 1051, Clinton Square
 CITY: Rochester
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 14603

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.3.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/984,207
 FILING DATE:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 60/033,230
 FILING DATE: 05-DEC-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Goldman, Michael L.
 REGISTRATION NUMBER: 30,727
 REFERENCE/DOCKET NUMBER: 19603/1501
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (716) 263-1304
 TELEFAX: (716) 263-1600
 INFORMATION FOR SEQ ID NO: 7:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 344 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: Linear
 MOLECULE TYPE: protein

US-08-984-207-7

Query Match 7.2%; Score 165.5; DB 3; Length 344;
 Best Local Similarity 32.0%; Pred. No. 3.6e-05;
 Matches 57; Conservative 20; Mismatches 80; Indels 21; Gaps 7;

Qy 18 QSGGD--NGLGGHNAASALGQQPIDRQTIEQMAQLLAEI-LKSLSPSGNAAATAGGN 73
 Db 134 QPGENDKGNGVGGANGAKAGGGCGLAEI-EQILAQGGGAGAGGGGGAGCA 193

Qy 74 DQTTGVNAGGLNGRKTAGT--TPQSDSONMILEMGNGNLQAITPDG--QGGGQIGDN 129
 Db 194 DGGSGAGGAGGANGADGGNGVNGNQANGPQNAGDVNGANGAD---DQSEDQGLTGVL 248

Qy 130 PLLKAMLKLIARMMD----GQSDQFGQGPGTGNNSASCTSSGGSP--FNDLSSGGK 179
 Db 249 QKLMKILNALVQMMQGGLGCGNQAQGGSKGAGNASPSSCANPGANQPSADDQSGQ 306

Search completed: July 27, 2005, 14:41:28
Job time : 35 secs

Result No.	Score	Query Match Length	DB ID	Description
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2	2310	100.0	447	Sequence 6, Appli
3	2310	100.0	447	Sequence 5, Appli
4	2310	100.0	447	Sequence 6, Appli
5	2310	100.0	447	Sequence 5, Appli
6	2310	100.0	447	Sequence 5, Appli
7	559	24.2	424	Sequence 9, Appli
8	559	24.2	424	Sequence 14, Appli
9	559	24.2	424	Sequence 9, Appli
10	559	24.2	424	Sequence 14, Appli
11	559	24.2	424	Sequence 14, Appli

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(c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model 1

Run on: July 27, 2005, 14:40:08 ; Search time 160 Seconds (without alignments)

1086.747 Million cell updates/sec

Title: US-09-596-958A-2

Perfect score: 231.0

Sequence: 1 MSILTNNNTSSSPGFLFQSG LGDVENHYKVPMSANLKVAE 447

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1741741 seqs, 388992284 residues

Total number of hits satisfying chosen parameters: 1741741

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100%

Listing first 45 summaries

Published Applications AA.*

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2: /cgn2_6_ptodata/1/pubbaa/PCT NEW PUB.pep:**

3: /cgn2_6_ptodata/1/pubbaa/US06_NET_PUB.pep:**

4: /cgn2_6_ptodata/1/pubbaa/US07_NEW PUB.pep:**

5: /cgn2_6_ptodata/1/pubbaa/PCTS_PUBCOMB.pep:**

6: /cgn2_6_ptodata/1/pubbaa/US08_PUBCOMB.pep:**

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11: /cgn2_6_ptodata/1/pubbaa/US09C_PUBCOMB.pep:**

12: /cgn2_6_ptodata/1/pubbaa/US09_NEW PUB.pep:**

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14: /cgn2_6_ptodata/1/pubbaa/US10B_PUBCOMB.pep:**

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16: /cgn2_6_ptodata/1/pubbaa/US10D_PUBCOMB.pep:**

17: /cgn2_6_ptodata/1/pubbaa/US10E_PUBCOMB.pep:**

18: /cgn2_6_ptodata/1/pubbaa/US11A_PUBCOMB.pep:**

19: /cgn2_6_ptodata/1/pubbaa/US11A_PUBCOMB.pep:**

20: /cgn2_6_ptodata/1/pubbaa/US11A_PUBCOMB.pep:**

21: /cgn2_6_ptodata/1/pubbaa/US11A_PUBCOMB.pep:**

22: /cgn2_6_ptodata/1/pubbaa/US60_NEW PUB.pep:**

RESULT 1

US-09-835-684-5

; Sequence 5, Application US/09835684

; Patent No. US20020019337A1

; GENERAL INFORMATION:

; APPLICANT: Wei, Zhong-Min

; APPLICANT: Qiu, Dewen

; INVENTION: Treatment of fruits or vegetables with hypersensitive title of invention: treatment of fruits or vegetables with hypersensitive

; TITLE OF INVENTION: RESINICATOR TO CONTROL POSTHARVEST DISEASE OR

; TITLE OF INVENTION: DESTINATION

; FILE REFERENCE: 21829/71

; CURRENT APPLICATION NUMBER: US/09-835-684

; CURRENT FILING DATE: 2001-04-16

; PRIOR APPLICATION NUMBER: 60/198,359

; PRIOR FILING DATE: 2000-04-19

; NUMBER OF SEQ ID NOS: 12

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 5

; LENGTH: 447

; TYPE: PRT

; ORGANISM: Erwinia amylovora

US-09-835-684-5

Query Match 100.0% Score 2310; DB 9; Length 447;

Best Local Similarity 100.0% Pred. No. 1..3e-151;

Matches 447; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSITLNNTSSSPGLFOSGGDNCLGGHNANSALGQPIDROTIEQMAQILAEIJKSLIS 60

Db 1 MSITLNNTSSSPGLFOSGGDNCLGGHNANSALGQPIDROTIEQMAQILAEIJKSLIS 60

Qy 61 POSGNAAATGAGNDQDTGUVNAGGLNGRKTAGTTPOSQSNMLSEMGNGLDOIPTPG 120

Db 1 POSGNAAATGAGNDQDTGUVNAGGLNGRKTAGTTPOSQSNMLSEMGNGLDOIPTPG 120

ALIGNMENTS

SUMMARIES

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULT 4

Query Match 100.0%; Score 2310; DB 16; Length 447;
 Best Local Similarity 100.0%; Pred. No. 1..3e-151;
 Matches 447; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 MS1LTNNNTSSPGLFOGGDNLGLGHNANSALQOPIIDRQTEQMAQLLAELLKSL 60
 Db 1 MS1LTNNNTSSPGLFOGGDNLGLGHNANSALQOPIIDRQTEQMAQLLAELLKSL 60

Qy 61 POSGNAATCAGGAGNDQTGNGNAGGLNGKGTAGTTPQSDSQNMLESNGNGLDQA1TPDG 120
 Db 61 POSGNAATCAGGAGNDQTGNGNAGGLNGKGTAGTTPQSDSQNMLESNGNGLDQA1TPDG 120

Qy 121 QGGQIGDNPLXAMLKLIAARMMDQSPQFGQGTGNSASSTSSSGSPNDSLSGKA 180
 Db 121 QGGQIGDNPLXAMLKLIAARMMDQSPQFGQGTGNSASSTSSSGSPNDSLSGKA 180

Qy 181 PGNNSPGNNSPVSTFSPSPSTPSPTSPDPSPTKAGGSPTPVTDHPDPVGSAGIGAG 240
 Db 181 PGNNSPGNNSPVSTFSPSPSTPSPTSPDPSPTKAGGSPTPVTDHPDPVGSAGIGAG 240

Qy 241 NSVAFTAGANQTVLHDITLTVKAGQVFDGKQQTETAGSSELGDGQSENQKPLFILEDGA 300
 Db 241 NSVAFTAGANQTVLHDITLTVKAGQVFDGKQQTETAGSSELGDGQSENQKPLFILEDGA 300

RESULT 8
 US-09-880-371-9

; Sequence 9, Application US/09880371
 ; Patent No. US200005965A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Zhong-Min
 ; APPLICANT: Derocher, Jay
 ; TITLE OF INVENTION: METHODS OF IMPROVING THE EFFECTIVENESS OF TRANSGENIC
 ; FILE REFERENCE: 21829/91
 ; CURRENT APPLICATION NUMBER: US/09/880,371
 ; PRIOR APPLICATION NUMBER: 6/211,585
 ; PRIOR FILING DATE: 2000-06-15
 ; NUMBER OF SEQ ID NOS: 16
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 9
 ; LENGTH: 424
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas syringae

US-09-880-371-9

Query Match 24.2%; Score 559; DB 9; Length 424;
 Best Local Similarity 36.1%; Pred. No. 2e-30;
 Matches 147; Conservative 54; Mismatches 132; Indels 74; Gaps 13;

Db 301 LKNVTMGGDADGITHLYGDAKINLHNTNGEADITVKPNSAACKSHVETNNSPEASD 360
 Db 301 LKNVTMGGDADGITHLYGDAKINLHNTNGEADITVKPNSAACKSHVETNNSPEASD 360

Qy 361 KILQNLADDNLTSVDNVRKDFGTFRVTRNGQOGNWDLNLISHISAEDGKSFYKSDSEGLN 420
 Db 361 KILQNLADDNLTSVDNVRKDFGTFRVTRNGQOGNWDLNLISHISAEDGKSFYKSDSEGLN 420

Qy 421 VNTSDISLGDVENHYKVMNSANLKVAE 447
 Db 421 VNTSDISLGDVENHYKVMNSANLKVAE 447

RESULT 7
 US-09-835-684-9

; Sequence 9, Application US/09835684
 ; Patent No. US200019337A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Zhong-Min
 ; APPLICANT: Ruiu, Deven
 ; APPLICANT: Remick, Dean
 ; TITLE OF INVENTION: TREATMENT OF FRUITS OR VEGETABLES WITH HYPERSENSITIVE
 ; TITLE OF INVENTION: RESPONSE ELICITOR TO CONTROL POSTHARVEST DISEASE OR
 ; TITLE OF INVENTION: DESICCATION
 ; FILE REFERENCE: 21829/71
 ; CURRENT APPLICATION NUMBER: US/09/835,684
 ; PRIOR APPLICATION NUMBER: 6/0/98,359
 ; PRIOR FILING DATE: 2000-04-19
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 9
 ; LENGTH: 424
 ; TYPE: PRT
 ; ORGANISM: Pseudomonas syringae

US-09-835-684-9

Query Match 24.2%; Score 559; DB 9; Length 424;
 Best Local Similarity 36.1%; Pred. No. 2e-30;
 Matches 147; Conservative 54; Mismatches 132; Indels 74; Gaps 13;

Qy 37 QPDRQTEQMAQLLAELLKSL--LSQSGNATGAGGNDQTTGVNAGGLNRKCTAG 93
 Db 72 KPNDQS - NIAKLISALIMSLQMLTNSKKDTNQEPDSSQAPFQNNGGLG----- 122

Qy 94 TTPOSDSQNMLSEMGNNGNGLDQA1TPDGGGGQOQGDNPILLKMLIARMMDQSDQFGQP 153
 Db 123 -TPSADS ----- -GGGG----- -TPDATGGG-GDTP----- -SATGGG 151

Query Match 24.2%; Score 559; DB 9; Length 424;
 Best Local Similarity 36.1%; Pred. No. 2e-30;
 Matches 147; Conservative 54; Mismatches 132; Indels 74; Gaps 13;

Qy 214 SPTKAAGGSTPVTIDHPDPVGSAGIGAGNSVAFSTSAGANQTVLHDITLTVKAGQVFDGKQQT 273
 Db 201 NPNRTSG----- -TGSVSDTAGS----- -TEQAGKINVVKDITKVGAGEVFDHGAT 245

Query Match 24.2%; Score 559; DB 9; Length 424;
 Best Local Similarity 36.1%; Pred. No. 2e-30;
 Matches 147; Conservative 54; Mismatches 132; Indels 74; Gaps 13;

Qy 274 FTAGSELGDGGQSENQKPLFILEDGAISLKNVTMGGDADGITHLYG--- -DAKINLHVTN 329
 Db 246 FTADKSNKGDQGENQKPMFLAEGATLKNVNGLGENEVDGTHVKAQBTIDNVAQN 305

Query Match 24.2%; Score 559; DB 9; Length 424;
 Best Local Similarity 36.1%; Pred. No. 2e-30;
 Matches 147; Conservative 54; Mismatches 132; Indels 74; Gaps 13;

Qy 330 VGEDA1TVKPNAGKSHVETNSSPEHASDKILQNLADTNLSVDNVAKDEGTFVRTNG 389
 Db 306 VGEDLITVKGESEAATVNLNKNSKSKGADDKVQQLNANTHLKIDFKADDGTMVRTNG 365

Qy 390 GOQ-GWDLNLSHISADEGKSFVRSKDSSEGUNVNTSDISLGDVENY 435
 Db 123 -TPSADS ----- -GGGG----- -TPDATGGG-GDTP----- -SATGGG 151

RESULT 9
 Db 366 GQFDMSIELNGIEANHGKFALKSDLKLATGNTAMTDVKHAY 4 12
 ; Sequence 9, Application US/10010390-9
 ; Publication No. US2003010497A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Zhong-Min
 ; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITING DOMAINS AND USE
 ; CURRENT APPLICATION NUMBER: US/09/879, 248
 ; PRIORITY FILING DATE: 2001-06-12
 ; CURRENT FILING DATE: 2000-06-16
 ; NUMBER OF SEQ ID NOS: 18
 ; SEQ ID NO 14
 ; LENGTH: 424
 ; ORGANISM: *Pseudomonas syringae*
 us-09-879-248-14

Query Match 24.2%; Score 559; DB 9; Length 424;
 Best Local Similarity 36.1%; Pred. No. 2e-30; Indels 74; Gaps 13;
 Matches 147; Conservative 54; Mismatches 132; Indexes 132; Gaps 13;

Qy 37 QPIDRQTEQMAQLLAELKSL--LSPQSGNAATAGGNDQTTGVGNAGGLNGRKGTAG 93
 Db 72 KPNDSQS--NIAKLISALIMSLQMLTNSNKQDTNQEOPDSQAPFQNNGGIG----- 122
 Qy 94 TIPQDSQSNMLSEMGNGLDQAITPDCQGGQIGDNPLIKAMILKLARMMDGOSDQFQQP 153
 Db 123 -TPSADS-----GGG-----SATGGG 151
 Qy 154 GTGNNSASSGTSSGGSPFNLDGGKAPSGNSPGNVSPTFSPSTPSPLDFPS 213
 Db 152 GGDTPATATGGGSSGGSTPTAGGG---SGGTPATAGGGVTPQTSQL-----A 200

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 Matches 147; Conservative 54; Mismatches 132; Indexes 132; Gaps 13;

Qy 37 QPIDRQTEQMAQLLAELKSL--LSPQSGNAATAGGNDQTTGVGNAGGLNGRKGTAG 93
 Db 72 KPNDSQS--NIAKLISALIMSLQMLTNSNKQDTNQEOPDSQAPFQNNGGIG----- 122
 Qy 94 TIPQDSQSNMLSEMGNGLDQAITPDCQGGQIGDNPLIKAMILKLARMMDGOSDQFQQP 153
 Db 123 -TPSADS-----GGG-----TPDTAGGG-GDTP-----SATGGG 151
 Qy 154 GTGNNSASSGTSSGGSPFNLDGGKAPSGNSPGNVSPTFSPSTPSPLDFPS 213
 Db 152 GGDTPATATGGGSSGGSTPTAGGG---SGGTPATAGGGVTPQTSQL-----A 200

Query Match 24.2%; Score 559; DB 9; Length 424;
 Best Local Similarity 36.1%; Pred. No. 2e-30; Indels 74; Gaps 13;
 Matches 147; Conservative 54; Mismatches 132; Indexes 132; Gaps 13;

Qy 37 QPIDRQTEQMAQLLAELKSL--LSPQSGNAATAGGNDQTTGVGNAGGLNGRKGTAG 93
 Db 72 KPNDSQS--NIAKLISALIMSLQMLTNSNKQDTNQEOPDSQAPFQNNGGIG----- 122
 Qy 94 TIPQDSQSNMLSEMGNGLDQAITPDCQGGQIGDNPLIKAMILKLARMMDGOSDQFQQP 153
 Db 123 -TPSADS-----GGG-----TPDTAGGG-GDTP-----SATGGG 151
 Qy 154 GTGNNSASSGTSSGGSPFNLDGGKAPSGNSPGNVSPTFSPSTPSPLDFPS 213
 Db 152 GGDTPATATGGGSSGGSTPTAGGG---SGGTPATAGGGVTPQTSQL-----A 200

Query Match 24.2%; Score 559; DB 9; Length 424;
 Best Local Similarity 36.1%; Pred. No. 2e-30; Indels 74; Gaps 13;
 Matches 147; Conservative 54; Mismatches 132; Indexes 132; Gaps 13;

Qy 37 QPIDRQTEQMAQLLAELKSL--LSPQSGNAATAGGNDQTTGVGNAGGLNGRKGTAG 93
 Db 72 KPNDSQS--NIAKLISALIMSLQMLTNSNKQDTNQEOPDSQAPFQNNGGIG----- 122

RESULT 10
 Db 366 GQFDMSIELNGIEANHGKFALKSDLKLATGNTAMTDVKHAY 4 12
 ; Sequence 10, Application US/10010390-9
 ; Publication No. US2003010497A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Zhong-Min
 ; APPLICANT: Leon, Ernesto
 ; TITLE OF INVENTION: METHODS OF INHIBITING DESICCATION OF CUTTINGS REMOVED
 ; TITLE OF INVENTION: FROM ORNAMENTAL PLANTS
 ; FILE REFERENCE: 21829/11
 ; CURRENT APPLICATION NUMBER: US/10/010, 390
 ; CURRENT FILING DATE: 2001-11-05
 ; PRIOR APPLICATION NUMBER: 60/248, 169
 ; PRIOR FILING DATE: 2000-11-13

Query Match 24.2%; Score 559; DB 15; Length 424;
 Best Local Similarity 36.1%; Pred. No. 2e-30; Indels 74; Gaps 13;
 Matches 147; Conservative 54; Mismatches 132; Indexes 132; Gaps 13;

Qy 37 QPIDRQTEQMAQLLAELKSL--LSPQSGNAATAGGNDQTTGVGNAGGLNGRKGTAG 93
 Db 72 KPNDSQS--NIAKLISALIMSLQMLTNSNKQDTNQEOPDSQAPFQNNGGIG----- 122

APPLICANT: Yamamoto, Robert	
APPLICANT: Forcynth, R.	
APPLICANT: Xu, H.	
TITLE OF INVENTION: Identification of Essential Genes in Microorganisms	
FILE REFERENCE: ELITIA_03A	
CURRENT APPLICATION NUMBER: US/10/282,122A	
CURRENT FILING DATE: 2003-02-20	
PRIOR APPLICATION NUMBER: 60/191,078	
PRIOR FILING DATE: 2000-03-21	
PRIOR APPLICATION NUMBER: 60/206,848	
PRIOR FILING DATE: 2000-05-23	
PRIOR APPLICATION NUMBER: 60/207,727	
PRIOR FILING DATE: 2000-05-26	
PRIOR APPLICATION NUMBER: 60/230,335	
PRIOR FILING DATE: 2000-09-06	
PRIOR APPLICATION NUMBER: 60/230,347	
PRIOR FILING DATE: 2000-09-09	
PRIOR APPLICATION NUMBER: 60/242,578	
PRIOR FILING DATE: 2000-10-23	
PRIOR APPLICATION NUMBER: 60/253,625	
PRIOR FILING DATE: 2000-11-27	
PRIOR APPLICATION NUMBER: 60/257,931	
PRIOR FILING DATE: 2000-12-22	
PRIOR APPLICATION NUMBER: 60/267,636	
PRIOR FILING DATE: 2001-01-09	
PRIOR APPLICATION NUMBER: 60/269,308	
PRIOR FILING DATE: 2001-02-16	
Remaining Prior Application data removed - See File Wrapper or PALM.	
SOFTWARE: PatentIn version 3.1	
SEQ ID NO: 78614	
LENGTH: 13,066	
TYPE: PRT	
ORGANISM: Mycobacterium tuberculosis	
US-10-282-122A-64405	
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Best Local Similarity: 26.0% ; Pred. No.: 6.2e-05 ;	
Matches: 88 ; Conservative: 16 ; Mismatches: 122 ; Indels: 113 ; Gaps: 8	
Qy 8 NNTSSPGLFQSQQGNDLGGHANSALGOOPIDRQTEQMAQIAELLKSLSPQSGNAA	
Db 754 NGVASSQGPQGGAGGGTGTGTVGGNGGRGDAGAT-----	
Qy 68 TGAGGNDQTMVGNAQGGLNGRKTAGTTPOSQNMILEMGNNLDQAITPDQGGGQIG 1	
Db 790 -AGARGQDGCGAGGGKGGRGGTGTGP-----	
Qy 128 DNPLIKAMLLKIAMRMMDQGSDQFGOPGTGNNSAASGTTSSGGSPNDLSSGKA-PSGNSP 1	
Db 833 -----GSGGGTGGPQDGENGANGSVFTNNNGGNGNGNAGPSSGAGG 8	
Qy 187 SGNYSPVSTESPSPSTPSPL-----DFPSSPTKAAG-----G 2	
Db 876 SGGAG--STG---ATGSSSIHVNNGGNGGNGDHALSNGCAAGGNGGNGNSLRG 9	
Qy 222 STPVTDHPDPVGSAGTGAGNISVAFTSAGANQTVLHDITIVKAQGVFDGKQQTFTAGSELG 2	
Db 930 SGGAGGGGNGNNSRGMGDDGTCGAGEN-----AGQIGNG---GAGGNGG 9	
Qy 282 DGGQSENQKPLFIL-----EDGASLRLRNTMDDGADG 313	
Db 974 DGGTGSDFNQGAITSGGRRGGDGGVGGQGSSVAGBDADG 1012	
RESULT 15	
US-10-282-122A-64726	
Sequence 64726 , Application US/10282122A	
Publication No. US20040029129A1	
GENERAL INFORMATION:	
APPLICANT: Wang, Liangsu	
APPLICANT: Zamudio, Carlos	
APPLICANT: Malone, Cherry	

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OM nucleic - nucleic search, using sw model.

Run on: July 29, 2005, 13:10:34 ; Search time 225 Seconds (without alignments)

Title: US-09-596-958A-1

Perfect score: 1344

Sequence: 1 atgtccaaattttacgcttaa.....accttggaaagggtggctgttgtatgaa 1344

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 81138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*

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2: /cn2_6_ptodata/1/ina/5B_COMB.seq;*

3: /cn2_6_ptodata/1/ina/5A_COMB.seq;*

4: /cn2_6_ptodata/1/ina/6B_COMB.seq;*

5: /cn2_6_ptodata/1/ina/6CUTS_COMB.seq;*

6: /cn2_6_ptodata/1/ina/backfiles1.seq;*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match	Length	DB	ID	Description	
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3	155.2	11.5	1729	3	US-09-120-817-1	Sequence 1, Appli		
4	155.2	11.5	1729	4	US-09-431-614-13	Sequence 13, Appli		
5	94.8	7.1	591	3	US-09-402-668-1	Sequence 1, Appli		
6	74.2	5.5	666	3	US-09-198-956-3	Sequence 3, Appli		
7	74.2	5.5	666	3	US-09-670-141-4	Sequence 3, Appli		
8	58.6	4.4	185	3	US-09-402-668-9	Sequence 9, Appli		
9	45.8	3.4	7218	1	US-08-232-463-14	Sequence 14, Appli		
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11	42.8	3.2	1166	3	US-09-072-596-223	Sequence 323, App		
12	42.8	3.2	1166	4	US-09-072-596-228	Sequence 323, App		
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c	14	39.4	2.9	304533	4	US-09-949-016-15372	Sequence 15372, A	
c	15	39	2.9	601	4	US-09-949-016-127761	Sequence 127761,	
c	16	39	2.9	601	4	US-09-949-016-128098	Sequence 128098,	
c	17	38	2.8	1371	4	US-09-0489-039A-1161	Sequence 1161, Ap	
c	18	37.4	2.8	1785	4	US-09-949-016-51043	Sequence 5043, Ap	
c	19	37.4	2.8	1785	4	US-09-949-016-10444	Sequence 5044, Ap	
c	20	37.4	2.8	2371	2	US-08-343-443B-1	Sequence 1, Appli	
c	21	37.4	2.8	35784	4	US-09-949-016-16785	Sequence 16785, A	
c	22	37.4	2.8	35784	4	US-09-949-016-16785	Sequence 16786, A	
c	23	37	2.8	198632	4	US-09-949-016-12781	Sequence 12781, A	
c	24	37	2.8	198637	4	US-09-949-016-1393	Sequence 17393, A	
c	25	36.8	2.7	810	4	US-09-902-540-0083	Sequence 5033, Ap	
c	26	36.8	2.7	1068	4	US-09-710-794-3	Sequence 3, Appli	
c	27	36.8	2.7	28194	4	US-09-902-540-1250	Sequence 1250, Ap	

ALIGNMENTS

RESULT 1
US-09-120-927-1
; Sequence 1, Application US/09120927
; Patent No. 6262018
; GENERAL INFORMATION:
; APPLICANT: Kim, Jihyun Francis
; APPLICANT: Beier, Steven V.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR FROM ERWINIA AMYLOVORA AND ITS USE
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
; STREET: P.O. Box 1051, Clinton Square
; CITY: Rochester
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 14603
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/120,927
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/055,108
; FILING DATE: 06-AUG-1977
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldman, Michael L.
; REGISTRATION NUMBER: 30,727
; REFERENCE DOCKET NUMBER: 19603/1581
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (716) 263-1304
; TELEFAX: (716) 263-1600
; INFORMATION FOR SEQ ID NO: 1:
; SEQID: 1
; SUBSEQUENT CHARACTERISTICS:
; LENGTH: 1344 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: Single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-120-927-1

clams
problem

Qy 1 ATGCAATCTTACGCTTAACAAATACTCGTCCTCCGGTCTCGGG 60

Qy 421 CGCATGATGGCCAAAGGATCAGTTGGCCACCTGGTACGGGACACAGTC 480
 Db 421 CGCATGATGGCCAAAGGATCAGTTGGCCACCTGGTACGGGACACAGTC 480
 Qy 481 TCTTCGGTACTCTTCATCTGGGTCCCCTTAAAGATCTATCAGGGGAAGGC 540
 Db 481 TCTTCGGTACTCTTCATCTGGGTCCCCTTAAAGATCTATCAGGGGAAGGC 540
 Qy 541 CCTTCGGGAACTCCCTCCGAAACTACTCTCCGTAAGTACCTCTACCCCATC 600
 Db 541 CCTTCGGGAACTCCCTCCGAAACTACTCTCCGTAAGTACCTCTACCCCATC 600
 Qy 601 ACGCAACGTCCTACCTACCCCTGTTCTCCCTCAAAAGGAGGCCGG 660
 Db 601 ACGCAACGTCCTACCTACCCCTGTTCTCCCTCAAAAGGAGGCCGG 660
 Qy 661 GGCAGCACCGGTAACCGATCATCTGCCCTGTGGTAGCCGCACTGGGGCGGA 720
 Db 661 GGCAGCACCGGTAACCGATCATCTGCCCTGTGGTAGCCGCACTGGGGCGGA 720
 Prior Application Data:
 Application Number: US 60/055,107
 Filing Date: 06-AUG-1997
 Attorney/Agent Information:
 Name: Goldman, Michael L.
 Registration Number: 30,727
 Reference/Docket Number: 19603/1741
 Telecommunication Information:
 Telephone: (716) 263-1304
 Telefax: (716) 263-1600
 Information for SEQ ID NO: 1:
 Sequence ID No.: 1
 Sequence:
 LENGTH: 1729 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-09-120-817-1

Query Match 11.5%; Score 155.2; DB 3; Length 1729;
 Best Local Similarity 57.1%; Pred. No. 3, 2e-39;
 Matches 330; Conservative 0; Mismatches 233; Indels 15; Gaps 2;

Qy 721 AATTGGTGGCCCTCACCGGGGGCTTAATAGAGCTGGCTGCAACCATPAC 780
 Db 721 AATTGGTGGCCCTCACCGGGGGCTTAATAGAGCTGGCTGCAACCATPAC 780
 Qy 781 GTGAAAGGGTCAAGGTGTATGGTACGGACCGGTGCCAGC 900
 Db 781 GTGAAAGGGTCAAGGTGTATGGTACGGACCGGTGCCAGC 900
 Qy 841 GGCGATGGGCCAGTCGAAACCGAACCCCTACGGAGACCGGTGCCAGC 900
 Db 841 GGCGATGGGCCAGTCGAAACCGAACCCCTACGGAGACCGGTGCCAGC 900
 Qy 901 CTGAAAAAGTCACATGGCCGAGAACGGGGCATGGTGTACCGTGATGCC 960
 Db 901 CTGAAAAAGTCACATGGCCGAGAACGGGGCATGGTGTACCGTGATGCC 960
 Qy 961 AAAATAGAAATCTGACCTACCAAACTGGGGTAAAGCCAAAC 1020
 Db 961 AAAATAGAAATCTGACCTACCAAACTGGGGTAAAGCCAAAC 1020
 Qy 1021 AGCGGGGAAATACTCCACGTGAAATCTCAACTAACAGTCCTCTGAC 1080
 Db 1021 AGCGGGGAAATACTCCACGTGAAATCTCAACTAACAGTCCTCTGAC 1080
 Qy 1081 AAGATCCTCGAGCTGAAATSCCGATACTAACCTGAGCTGAAAGGCAAAGAC 1140
 Db 1081 AAGATCCTCGAGCTGAAATSCCGATACTAACCTGAGCTGAAAGGCAAAGAC 1140
 Qy 1141 TTGGTACTTTGTACGACTAACCGGTAACTGGTAACTGGATGTGAACTGAGC 1200
 Db 1141 TTGGTACTTTGTACGACTAACCGGTAACTGGTAACTGGATGTGAACTGAGC 1200
 Qy 1201 CATACTGGCAGAGACCTAAAGGATAGCTGGTAAAGGCTAAAC 1260
 Db 1201 CATACTGGCAGAGACCTAAAGGATAGCTGGTAAAGGCTAAAC 1260
 Qy 1261 GTCAATACAGTGTATCTCACTGGTGTGAAACACTACAAGTGGGATGTC 1320
 Db 1261 GTCAATACAGTGTATCTCACTGGTGTGAAACACTACAAGTGGGATGTC 1320
 Qy 1321 GCCAACCTGAAAGGTGGCTGAATGA 1344
 Db 1321 GCCAACCTGAAAGGTGGCTGAATGA 1344

Db 1379 GTCACTAATCTGACATAGAACAGCATGAGCTGGCAAGATCTGGCAG 1438
 Qy 1093 CTGCACTGTCACCAAGCTGGGTGAACTGAGGGATTACCGTTAACGCCAAACAGGGGGCAA 1032
 Db 1319 GTGATGCCAGAACGCTGGTAAAGGACTGTGAACTGCTAACGGAGGGCAGGG 1378
 Qy 1033 AAATCCCAAGGTGAAATCAACTAACAGTICCTTCGAGACGCCCTCTGAAAGTCCGAG 1092
 Db 1439 CTCAACGCCAACACTCACTGAAATCTGAAACTTCAGGGCGAACATTGCACTG 1498
 Qy 1153 GTACGCACTAACCGGGTCAACAG--GGTAACTGGGATCTGAATCTGAGCTGAACTATCAGC 1209
 Db 1499 GTTCGACCAACGTTGCAAGCAGTGTGATGACATCGAGCTAACGGCATCGAA 1558

RESULT 3
 US-09-120-817-1
 Sequence 1, Application US/09120817
 Patent No. 6172184
 General Information:
 Applicant: Collier, Alan
 Applicant: Charkowski, Amy
 Applicant: Alfano, James R.

Qy	121.0	GCAGAAGACGGTAAGTTCTCGTGTAAAGCCTAACTGCGGGCTAAAGCTCAATACC	1269
Db	155.9	GCTAACACCGGAAAGTCGCTGGTGAAGCTGAACTGCGGGCTAAAGCTCAATGCCAG	1618
Qy	127.0	AGTGTATCTCATGGTGATGTTGAAACCTCTCAA	1307
Db	161.9	GGCRACATCGCCATGCCATGCCGACGCTCAAAACACGCCCTACCGA	1656
RESULT 4			
US-09-431-614-13			
; Sequence 13, Application US/09431614			
; Patent No. 6624139			
; GENERAL INFORMATION:			
; APPLICANT: Wei, Zhong-Min			
; APPLICANT: Schadung, Richard L.			
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS			
; TITLE OF INVENTION: RESISTANCE			
; FILE REFERENCE: 2:829/41 (EB-003)			
; CURRENT APPLICATION NUMBER: US/09/431,614			
; CURRENT FILING DATE: 1999-11-02			
; EARLIER APPLICATION NUMBER: 60/107,243			
; EARLIER FILING DATE: 1998-11-05			
; NUMBER OF SEQ ID NOS: 18			
; SOFTWARE: PatentIn Ver. 2.0			
; SEQ ID NO: 13			
; LENGTH: 1729			
; TYPE: DNA			
; ORGANISM: Pseudomonas syringae			
US-09-431-614-13			
Qy	745	GGGGTATTAGAGGGGCTGATGACCAATTACCGTAAAGGGCTAGGTGTTGAT 804	
Db	107.9	GCGGGCAAGATCAATGGTGAAGACACCACTCAAGGTGGCTGGGAAAGTGTGAC	1138
Qy	805	GGCAAAGGACAAACCTTCACCCGGTTCAAGATTAGCGATGCCACTCTGAAAAC	864
Db	113.9	GGCACCGGCAACCTTCACCTGGAAATTATGGTAAAGGAAACCGGAAAT 1198	
Qy	865	CAGAAACGGCTGTTATACTGGAAAGGGGTGCGACGGCTGAAAAACCTCACCATGGCGAC	924
Db	11.99	CAGAAGGCCATGTTGAGCTGAGCTGAGGGCTACGGTGAACAATGAAACCTGGTGA	1258
Qy	925	GACGGGGGATGGTATCTTCATCTTTCG-----GTTGATCCAAATAGCAAT 972	
Db	125.9	AACGAGGTGTCGATGGCAATCAGTGAAGCCAAAAGCTCAGGAAGTCACCATGCAAC	1318
Qy	973	CTGCACCTCACCAACGTTGGTGAAGGGCTGATTACCTTAAGCCAAACAGCGGCCAAA	1032
Db	131.9	GTGCAATGCCAGAAGCTGGTGAAGCTGATACGGTCAAGGGGGGAGGAGG	1378
Qy	1033	AAATCCCACTGTGAAATCACTAACAGTCTCCCTGAGCAGCGCTCTGACAAGATCTGCCAG	1092
Db	13.79	GTCACATTAATCTGAACTCAAGAACAGCAGTGGCAAAAGCTGCAAGCTGGCAGATG	1438
Qy	1093	CTGAATGCCGATCACTAACCTGAGCTGAGGCAAAACTTGGTACTTTT 1152	
Db	143.9	CTCAACGCCAAACACTCACTGTGAAATGACAACCTTAAGGCCGACGATTGGCAGATG	1498
Qy	1153	GTCACGCACTAAAGGGCTCAAGAACAGCAGTGGCAAAAGCTGACCATATCGC	1209
Db	14.99	GTGCAACCAAGGGTGCAGAGCTGATGACATGAGCTGAGCTGAAAGGGCACTGAA	1558
Qy	1210	GGAAAGACGGTAAGTTCTCGTTCTGTTAAAGCGATAAGGGCTAAAGCTCAATACC	1269
Db	155.9	GTCACGCCAAAGCTGGCTGGCTGCAAGCTGAGCTGAAAGCTGGCAACCTGAA	1618
Qy	127.0	AGTGTATCTCATGGTGATGTTGAAACCTCTCAA	1307

RESULT 5
US-09-402-668-1 Sequence 1, Application US/09402668
Patent No. 6172030 GENERAL INFORMATION:
Applicant: WADA, Yasunao
Applicant: KASAI, Miyuki
Applicant: SHIKATA, Shitsuw
Applicant: SUZUMATSU, Atsushi
Applicant: KOIKE, Kenzo
Applicant: HAYADA, Yuji
Applicant: KOBAYASHI, Tohru
Applicant: ITO, Susumu
Applicant: TSUDADORI, Masaki
Title of Invention: Detergent Composition
File Reference: 2173-0116P
Current Application Number: US/09/402,668
Current Filing Date: 1998-10-08
Prior Application Number: 9-091142 JAPAN
Prior Filing Date: 1997-04-09
Prior Application Number: 9-242736 JAPAN
Prior Filing Date: 1997-09-08
Prior Application Number: PCT/US98/01613
Prior Filing Date: 1998-04-09
Number of SEQ ID NOS: 14
Software: PatentIn Ver. 2.1
SEQ ID NO 1
Length: 591
Type: DNA
Organism: Bacillus sp.
Feature:
Other Information: Strain: KSM-P15
Name/Key: CDS
Location: (1) . (591)
US-09-402-668-1

Query Match Score 94.8; DB 3; Length 591
Best Local Similarity 52.8%; Pred. No. 5.8e-20;
Matches 263; conservative 0; Mismatches 217; Indels 0

Qy 754 CAGGCGGTGCTGCATGACCACTTACCCGTAAAGGGGTAGGG
Db 4 CCGACGCTTCCTTCATGAAACGATTGTGTCCTGCGGTCTAGA
Qy 814 CAAACCTTCACCGGGTTAGA--ATTAGGCGATGGCC
Db 64 CAGACCTATGGCTTAATCGGAATCATTCGGGAGCGGATGCC
Qy 871 CGCGTGTATACTCGAAGACGGTCCAGCGCTGAAAAACGTCAT
Db 124 CGAATCTTGCTGGGCAAGCTGAAAATGAGAACATC
Qy 931 GCGATGTTATTCTTACCGGTGATGCCAAATAGACAAATC
Db 184 GCTGACGGGTGCACTGTACGGGATTGAGTACAATTC
Qy 991 GGTAGGAGCCGATTAACGGTAAAGCCAAGGGGGAA
Db 244 GTGAGGATSGCTGACGCTTAATCTGCCGAAGC
Qy 1051 ACTAACAGTCCTTCGAGCACGGCTCTGACAGTCCTGCCAGC
Db 289 TCGGGGGGAGCTACAGGTATGAGGGTGTCCAAA
Qy 1111 CTGAGCGTTGACAACTGAAAGACTTGGTACCTTTGG
Db 349 ATCACACATTGTACTCGGCCATTCAGGGCATGACATCGGAA
Qy 1171 CAAAGGGTAACCTGGATCTGAACTGAGCTTCGAGCAGTC

Db 409 ACCACCTAAAGTCGTGATGAACTGGAAAACTGCAAATTTCCAGAGTGAAAGGATCG 468
 Qy 1231 TTGGTAAAGCGTAGC 1248
 Db 469 ATCCCTGAGAACGGACAGC 486

RESULT 6

; Sequence 3, Application US/09198956
 ; Patent No. 6165759

; GENERAL INFORMATION:
 ; APPLICANT: Andersen, Lene N.

; TITLE OF INVENTION: Pectin Degrading Enzymes From Bacillus
 ; FILE REFERENCE: 5377.200-US

; CURRENT FILING DATE: 1998-11-24

; EARLIER APPLICATION NUMBER: 1344/97

; EARLIER APPLICATION NUMBER: 1997-11-24

; EARLIER APPLICATION NUMBER: 60/067,240

; EARLIER FILING DATE: 1997-12-02
 ; SOFTWARE: FastSEQ For Windows Version 3.0

; SEQ ID NO 3

; LENGTH: 666

; TYPE: DNA
 ; ORGANISM: Bacillus licheniformis
 us-09-198-956-3

Query Match 5.5%; Score 74 2; DB 3; Length 666;
 Best Local Similarity 51.7%; Pred. No. 3e-13;
 Matches 142; Conservative 0; Mismatches 113; Indels 0; Gaps 0;
 Qy 759 GGCGCTGATGACACATTACCGTAAAGCGGTCAAGTGGCAAARGAACAAAC 818
 Db 90 GGTCGTTACAAAACGATCGTAATCGGAAAGGCCAACGTAAGGAAAGCCAAAGGG 149
 Qy 819 CTTCACCGCGGGTCAGATTAGCGATGGCTGAATAACCGAAACCGCTGT 878
 Db 150 GCTGATTCAGGTGGGGCTCGGGACGGCACCCAAAGGGAGGTCAAACCGATT 209
 Qy 879 TATACTGGAGAACGGTCAGCCATGGGGAGCAGGGGGGATGG 938
 Db 210 CAAGTGGGGATGTCGAACGCTCAAATGTCGTGCTGGCTCCGTGATG 269

Query Match 5.5%; Score 74 2; DB 3; Length 666;
 Best Local Similarity 51.7%; Pred. No. 3e-13;
 Matches 142; Conservative 0; Mismatches 113; Indels 0; Gaps 0;
 Qy 939 TATCATCTTACGGTGTGACGTCACACGTCAGTGGCTGAGA 998
 Db 270 TGTCACACATATGAAACGCTTCATAAACAGCTGTTGGAAAGATGTCGCGANGA 329

Query Match 5.5%; Score 74 2; DB 3; Length 666;
 Best Local Similarity 51.7%; Pred. No. 3e-13;
 Matches 142; Conservative 0; Mismatches 113; Indels 0; Gaps 0;
 Qy 999 CGCCATTACCGTTAA 1013
 Db 330 TGCTTGACTGTGTCRA 344

RESULT 8

US-09-402-668-9

; Sequence 9, Application US/09402668
 ; Patent No. 617030

; GENERAL INFORMATION:
 ; APPLICANT: WADA, Yasunao

; APPLICANT: KASAI, Miyuki

; APPLICANT: SHIKATA, Shitsuw

; APPLICANT: SUZUMATSU, Atsushi

; APPLICANT: KOIKE, Kenzo

; APPLICANT: HAYDA, Yuji

; APPLICANT: KOBAYASHI, Tohru

; APPLICANT: ITO, Susumu

; APPLICANT: TSUMADORI, Masaki

; TITLE OF INVENTION: Detergent Composition

; FILE REFERENCE: 2173-0116P

; CURRENT APPLICATION NUMBER: US/09/402-668

; CURRENT FILING DATE: 1998-10-08

; PRIOR APPLICATION NUMBER: 9-091142 JAPAN

; PRIOR FILING DATE: 1997-04-09

; PRIOR APPLICATION NUMBER: 9-242736 JAPAN

; PRIOR FILING DATE: 1997-09-08

; PRIOR FILING DATE: 1998-04-09

; NUMBER OF SEQ ID NOS: 14

; SOFTWARE: Patent Ver. 2.1

; SEQ ID NO 9

; LENGTH: 185

; TYPE: DNA
 ; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence:primer

RESULT 7
 US-09-670-141-3

; Sequence 3, Application US/09670141

; GENERAL INFORMATION:

; APPLICANT: Andersen, Lene N.

; APPLICANT: Schulein, Martin

; APPLICANT: Lange, Niels Erik K.

; APPLICANT: Bjornvad, Mads E.

; APPLICANT: Schnorr, Kirk

; TITLE OF INVENTION: Pectin Degrading Enzymes From Bacillus

; TITLE OF INVENTION: Licheniformis

; FILE REFERENCE: 5377.200-US

Qy 597 ATCCACGCCAACGTCCTTACCTCACCGCTGATTCCCTTGATTTCCTTCCTCCC 645
Db 268 TTTCCCCCTTCCCTTCCATTCCTTCCTCCCTCTCTCTCTCTCTCTCTCTCTCC 316

Search completed: July 29, 2005, 19:26:08
Job time : 230 secs

This Page Blank (uspto)

Result No.	Score	Query Match	Length	DB ID	Description
1	1344	100.0	1344	9	US-09-835-684-6
2	1344	100.0	1344	9	US-09-880-371-10
3	1344	100.0	1344	9	US-09-879-248-13
4	1344	100.0	1344	9	US-09-880-371-15
5	1344	100.0	1344	15	US-10-441-736-13
6	1344	100.0	1344	15	US-10-441-736-15
7	155.2	11.5	1729	9	US-09-880-371-10
8	155.2	11.5	1729	9	US-09-879-248-13
9	155.2	11.5	1729	15	US-10-441-736-13
10	155.2	11.5	1729	17	US-10-441-736-15
11	155.2	11.5	1729	20	US-10-841-142-10
12	155.2	11.5	1729	20	US-10-841-142-10
c	16	71.2	5.3	888	15
c	17	5.3	9025608	15	US-10-156-761-6360
c	18	46.6	3.5	732	20
c	19	45.8	3.4	1080	20
c	20	45.6	3.4	629	19
c	21	43.4	3.2	572	20
c	22	42.8	3.2	1166	15
c	23	42.8	3.2	1166	15
c	24	42.8	3.2	1166	24
c	25	42.8	3.2	2283	9
c	26	42.8	3.2	2283	11
c	27	42.4	3.2	594	14
c	28	42.4	3.2	594	15
c	29	42.4	3.2	594	15
c	30	42.4	3.2	594	15
c	31	42.4	3.2	594	16
c	32	42.4	3.2	594	16
c	33	42.4	3.2	594	17
c	34	42.4	3.2	594	17
c	35	42.4	3.2	594	17
c	36	42.4	3.2	594	17
c	37	42.4	3.2	594	17
c	38	42.4	3.2	594	17
c	39	42.4	3.2	594	18
c	40	41.4	3.1	665957	18
c	41	41.2	3.1	354592	22
c	42	41.2	3.1	354592	22
c	43	41	3.1	1923	19
c	44	40.6	3.0	344805	20
c	45	40	3.0	1128	15

RESULT
US-09-8
; Seque
; Paten
; GENER
; APPL
; APPL
; TITL
; TITL

Db	1201	CATATCAGGGCAGAAGACCGTAAGTCTCGTGTAAAGCATGGTAGCCAGGCTAAAC	1260	
Qy	1261	GTCATAACAGTGATATCTCACTGGGTGATGTTAAAACCACTAACAGTGCGATGTC	1320	
Db	1261	GTCATAACAGTGATATCTCACTGGGTGATGTTAAAACCACTAACAGTGCGATGTC	1320	
Qy	1321	GCCAACCTGAGGGTGGCTGAATGA	1344	
Db	1321	GCCAACCTGAGGGTGGCTGAATGA	1344	
	RESULT 5			
	i Sequence 5, Application US/10441736			
	Publication No. US20040016029A1			
	GENERAL INFORMATION:			
	APPLICANT: Schading, Richard L.			
	TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR-INDUCED STRESS			
	FILE REFERENCE: 21829/203 (EBC-003)			
	CURRENT APPLICATION NUMBER: US/10/441,736			
	CURRENT FILING DATE: 2003-05-20			
	PRIOR APPLICATION NUMBER: 60/107,243			
	PRIOR FILING DATE: 1998-11-05			
	PRIOR APPLICATION NUMBER: 09/431,614			
	PRIOR FILING DATE: 1999-11-02			
	SEQ ID NO 5			
	SOFTWARE: Patentin Ver. 2.1			
	LENGTH: 1344			
	TYPE: DNA			
	ORGANISM: Erwinia amylovora			
	US-10-441-736-5			
Query Match	100.0%	Score 1344; DB 17; Length 1344;		
Best Local Similarity	100.0%	Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;		
Matches	1344	Conservative		
Qy	1	ATGTCATTCTTACGCTTACAACATACTGGCTCAATGCTGTCCTCCAGTCCGG	60	
Db	1	ATGTCATTCTTACGCTTACAACATACTGGCTCAATGCTGTCCTCCAGTCCGG	60	
Qy	61	GGGACAACGGCTTGGCTCATATGAAATTCTGCCTTGGCAACAAACCATCAT	120	
Db	61	GGGACAACGGCTTGGCTCATATGAAATTCTGCCTTGGCAACAAACCATCAT	120	
Qy	121	CCACATCGGCTTAATGCGAACGGCTCAATTATTGGCTAAACTCACTGCTATC	180	
Db	121	CCACATCGGCTTAATGCGAACGGCTCAATTATTGGCTAAACTCACTGCTATC	180	
Qy	181	AACCGTGGGCCCTGAAACGGCAAAGCACAGCAGGACCACTCCGAGCTG	240	
Db	181	AACCGTGGGCCCTGAAACGGCAAAGCACAGCAGGACCACTCCGAGCTG	240	
Qy	241	CAGAACATCTGAGTGGCTGAACTGGCAACAGCACAGCAGGACCACTCCGAG	300	
Db	241	CAGAACATCTGAGTGGCTGAACTGGCAACAGCACAGCAGGACCACTCCGAG	300	
Qy	301	CAGAACATCTGAGTGGCTGAACTGGCAACAGCACAGCAGGACCACTCCGAG	360	
Db	301	CAGAACATCTGAGTGGCTGAACTGGCAACAGCACAGCAGGACCACTCCGAG	360	
Qy	361	CAGAACATCTGAGTGGCTGAACTGGCAACAGCACAGCAGGACCACTCCGAG	420	
Db	361	CAGAACATCTGAGTGGCTGAACTGGCAACAGCACAGCAGGACCACTCCGAG	420	
Qy	421	CAGAACATCTGAGTGGCTGAACTGGCAACAGCACAGCAGGACCACTCCGAG	480	
Db	421	CAGAACATCTGAGTGGCTGAACTGGCAACAGCACAGCAGGACCACTCCGAG	480	
Qy	481	TCTTCGGTACTTCTCATCTGGGTTCCCCCTTAAAGATCTATGGGAAAGGC	540	
	RESULT 6			
	US-10-847-142-6			
	Sequence 6, Application US/10847142			
	Publication No. US20040255442A1			
	GENERAL INFORMATION:			
	APPLICANT: Wei, Zhong-Min			
	APPLICANT: Qiu, Dewen			
	APPLICANT: Remick, Dean			
	TITLE OF INVENTION: TREATMENT OF FRUITS OR VEGETABLES WITH HYPERSENSITIVE			
	TITLE OF INVENTION: RESPONSE ELICITOR TO CONTROL POSTHARVEST DISEASE OR			
	FILE REFERENCE: 21829/197			
	CURRENT APPLICATION NUMBER: US/10/847,142			
	CURRENT FILING DATE: 2004-05-17			

With best regards
Wei

With best regards
Wei

PRIOR APPLICATION NUMBER: 60/198,359
 PRIORITY FILING DATE: 2000-04-19
 PRIORITY APPLICATION NUMBER: 60/835,684
 PRIOR FILING DATE: 2001-04-16
 SEQ ID NO: 6
 SOFTWARE: PatentIn Ver. 2.1
 LENGTH: 1344
 TYPE: DNA
 ORGANISM: Erwinia amylovora
 US-10-847-142-6

Query Match 100.0%; Score 1344; DB 20; Length 1344;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1344; Conservatve 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGTCAAATTCTTAAGCTTAACACAATAACTCTCCCTGCCGGTCTGTCCAGTCGGG 60
 Db 1 ATGTCAAATTCTTAAGCTTAACACAATAACTCTCCCTGCCGGTCTGTCCAGTCGGG 60
 Qy 61 GGCGACACAGGGCTTGCTGCTCATATAATGCGTTGGGGAAACAAACCCATCGAT 120
 Db 61 GGCGACACAGGGCTTGCTGCTCATATAATGCGTTGGGGAAACAAACCCATCGAT 120
 Qy 121 CGCGAAACACATTAGCAAAATGGCTCAATTATTCGGGAACTGTTAAGTCGTATCG 180
 Db 121 CGCGAAACACATTAGCAAAATGGCTCAATTATTCGGGAACTGTTAAGTCGTATCG 180
 Qy 181 CCACAAATAGGTAATGCGCAAACGGGACCGTGGCAATGACAGGATGGT 240
 Db 181 CCACAAATAGGTAATGCGCAAACGGGACCGTGGCAATGACAGGATGGT 240
 Qy 241 AACGCTGGGCCCTGAACGGACGAAACACTCGGAACTCTGGCAGTCGACAGT 300
 Db 241 AACGCTGGGCCCTGAACGGACGAAACACTCGGAACTCTGGCAGTCGACAGT 300
 Qy 301 CAGAACATGCTGAGTGGATAGCTGGCAACAGCAGGAAACAGCACAGGAGTCGAT 360
 Db 301 CAGAACATGCTGAGTGGATAGCTGGCAACAGCAGGAAACAGCACAGGAGTCGAT 360
 Qy 361 CAGGGGGGGAGATGGGATAATCTTACTGAAAGCATGCTGAAGCTTATGCA 420
 Db 361 CAGGGGGGGAGATGGGATAATCTTACTGAAAGCATGCTGAAGCTTATGCA 420
 Qy 421 CGCATGATGACGGCCAAGGGATACTGGCAACCTGGCAACACAGCATGTCG 480
 Db 421 CGATGATGAGCGGCCAACGGATACTGGCAACCTGGCAACACAGCATGTCG 480
 Qy 481 TCTTCGGTACTCTCATCTGGCACTCCCTTTAACGATCTATGGGGGAAGGCC 540
 Db 481 TCTTCGGTACTCTCATCTGGCACTCCCTTTAACGATCTATGGGGGAAGGCC 540
 Qy 541 CCTTCGGGAACTCCCTTACCTCACCGCTTGTGATTCCTCCACCAAGAGCGGG 600
 Db 541 CCTTCGGGAACTCCCTTACCTCACCGCTTGTGATTCCTCCACCAAGAGCGGG 600
 Qy 601 ACGCAAACCTCCCTTACCTCACCGCTTGTGATTCCTCCACCAAGAGCGGG 660
 Db 601 ACGCAAACCTCCCTTACCTCACCGCTTGTGATTCCTCCACCAAGAGCGGG 660
 Qy 661 GGCAGCACCGGCTAACGGATCATCTGGCACTCCGCTTACCCCATTC 720
 Db 661 GGCAGCACCGGCTAACGGATCATCTGGCACTCCGCTTACCCCATTC 720
 Qy 721 AATTGGGGCCCTCACCGGCTAACGGATCATCTGGCACTCCGCTTACCCCATTC 780
 Db 721 AATTGGGGCCCTCACCGGCTAACGGATCATCTGGCACTCCGCTTACCCCATTC 780
 Qy 781 GTGAAAGGGTAGGTAGGTGTTTGTGCAAGGAAACCTTACCGGGGTTCAGAATT 840
 Db 781 GTGAAAGGGTAGGTAGGTGTTTGTGCAAGGAAACCTTACCGGGGTTCAGAATT 840
 Qy 841 GGCGATGGGCCGAGCTTAAACAGAAAACCGCTGTATACTGGAAAGGACGGTGGCAC 900

Db 841 GCGATGGGCCGAGCTTAAACAGAAAACCGCTGTATACTGGAAAGGACGGTGGCAC 900
 Qy 901 CTGAAAAACGTCACATGGGACAGAGGGGCTTAATCAGAGCTGTTATACTGGAAAGGACGGTGGCAC 960
 Db 901 CTGAAAAACGTCACATGGGACAGAGGGGCTTAATCAGAGCTGTTATACTGGAAAGGACGGTGGCAC 960
 Qy 961 AAAATAGACAATCTGCAGTCACCAAGCTGGATGGACGGGATTACCGTTAACGCAAAC 1020
 Db 961 AAAATAGACAATCTGCAGTCACCAAGCTGGATGGACGGGATTACCGTTAACGCAAAC 1020
 Qy 1021 AGCGGGGCAAAAAATCCACGTTGAAATCACTAACAGTTCCTTCGAGCAGGCCCTCTGAC 1080
 Db 1021 AGCGGGGCAAAAAATCCACGTTGAAATCACTAACAGTTCCTTCGAGCAGGCCCTCTGAC 1080
 Qy 1081 AGATCTGCACTGATGCTGCAACTTAACCTGAGCTTGAACACCTGAAAGCCAAAGAC 1140
 Db 1081 AGATCTGCACTGATGCTGCAACTTAACCTGAGCTTGAACACCTGAAAGCCAAAGAC 1140
 Qy 1141 TTGGTACTTTGTACCCACTAACGGGTTAACCTGAGCTTGAATCTGAAATCTGAC 1200
 Db 1141 TTGGTACTTTGTACCCACTAACGGGTTAACCTGAGCTTGAATCTGAAATCTGAC 1200
 Qy 1201 CATATCAGCGAGAACGGTAAAGCTCTCGTTCTGTTAAACCGGATAGCGAGGGCTAAAC 1260
 Db 1201 CATATCAGCGAGAACGGTAAAGCTCTCGTTCTGTTAAACCGGATAGCGAGGGCTAAAC 1260
 Qy 1261 GTCAATACCAGTGTATCTCATCTGGTGTATCTGTTAAACCGGATAGCTGGATCTCC 1320
 Db 1261 GTCAATACCAGTGTATCTCATCTGGTGTATCTGTTAAACCGGATAGCTGGATCTCC 1320
 Qy 1321 GCACACCTGAAGGTGGCTGAATGA 1344
 Db 1321 GCACACCTGAAGGTGGCTGAATGA 1344

RESULT 7
 US-09-835-684-10
 Sequence 10, Application US/09835684
 ; Patent No. US20020019337A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Wei, Zhong-Min
 ; Qiu, Dewen
 ; APPLICANT: Remick, Dean
 ; TITLE OF INVENTION: TREATMENT OF FRUITS OR VEGETABLES WITH HYPERSENSITIVE
 ; TITLE OF INVENTION: RESPONSE ELICITOR TO CONTROL POSTHARVEST DISEASE OR
 ; TITLE OF INVENTION: DESCICRATION
 ; FILE REFERENCE: 21:829/71
 ; CURRENT APPLICATION NUMBER: US/09/835,684
 ; CURRENT FILING DATE: 2001-04-16
 ; PRIORITY APPLICATION NUMBER: US/09/835,684
 ; PRIORITY FILING DATE: 2000-04-19
 ; NUMBER OF SEQ ID NOS: 12
 ; SEQ ID NO: 10
 ; LENGTH: 1729
 ; TYPE: DNA
 ; ORGANISM: Pseudomonas syringae
 ;
 Query Match 11.5%; Score 155.2; DB 9;
 Best Local Similarity 57.1%; Pred. No. 1.7e-10;
 Matches 330; Conservative 0; Mismatches 233; Indels 15; Gaps 2;
 ;
 Qy 745 GCGCTTAATCAGAGGCTGCTGATGACCATTAACGGTGAAGGGCTAGGTGTTGAT 804
 Db 1079 GCGGCAAGATCTATGCTGTAAGAACGACCATCAACCTGCGCTGCGAAGCTCTGAC 1138
 Qy 805 GCGAAAGGACAAACCTCACCCGGTCAAGATTAGGGTACGGCCAGTCTGAAAC 864
 Db 1139 GCGCACGGCGCAACCTTCACCGGGTTCAAGGAAACCTTACGGGAAACGGGAAAT 1198
 Qy 865 CAGAAACCGCTGTTTAACTGGAAAGGACGGTGGCAC 924

RESULT 10
US-10-010-390-10
; Sequence 10, Application US/10010390
; Publication No. US20030104979A1
; GENERAL INFORMATION:
; APPLICANT: Leon, Ernesto
; APPLICANT: Oriledo, Agustin
; TITLE OF INVENTION: METHODS OF INHIBITING DESICCATION OF CUTTINGS REMOVED FROM ORNAMENTAL PLANTS
; FILE REFERENCE: 21829/111
; CURRENT APPLICATION NUMBER: US/10/010,390
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 60/248,169
; PRIOR FILING DATE: 2000-11-13
; NUMBER OF SEQ ID NOs: 14
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1.0
; LENGTH: 1729
; TYPE: DNA
; ORGANISM: Pseudomonas syringae
US-10-010-390-10

Query Match 11.5%; Score 155.2; DB 15; Length 1729;
Best Local Similarity 57.1%; Prod. No. 1.7e-40;
Matches 330; Conservative 0; Mismatches 233; Indels 15; Gaps 2;

Qy 745 GGCCCTTAATCAGACGGTGGCATGACACATTACCGTGAACGGGTCAAGGGTTGAT 804
Db 1079 GGCGCAAGATCATATGTGGTAAGAACATCAGGGCTGGGACTGGTGA 1138
Qy 805 GGCAAAGGCCAAACCTTCGCCGGTTCAGGAAATTAGCGATGGCGCAAG 864
Db 1119 GGCCACGGGCAACCTTCCTGGGACAATACTGGTAAAGAACATCAGGGCTGGGACTGGTGA 1198
Qy 865 CAGAAACCCTGTGTTACTGGAGACCGTGCAGCTGAAAC 924
Db 11199 CAGAGGCCATGTTGAGCTGGCTGAACCCGCTGAGATGTAACCTGGTGA 1258
Qy 925 GACGGGGGGATGGTATTATCTTTACG-----GTTATGGCAAAATAGACAT 972
Db 1259 AACGAGGTGGATGGCATCCAGTCAGTGAAGAACGCAAAACGCTCAGGAAGTCACCATGGCAC 1318
Qy 973 CTGCACTTCACCAACGCTGGTGGAGACGGATTACCGTTAACGGCAACAGGGCGGGCAA 1032
Db 1319 GTGCACTTGCCGAAACGTTGGTGAAGAACGCTAACGGTCAARGGCAGGGCAGCG 1378
Qy 1033 AAATCCCAGGTGAATCTAACAGTCTTGGAGCTGAAAGATCCCTGAG 1092
Db 1319 GTGATGCCAGACGTCGGTGAAGCTAACGGTCAAAAGGGTGTCCAG 1438
Qy 1093 CTGAAATGCCGATACCTGAGCTGAGCTGAAAGACTTGGTACTTT 1152
Db 1339 CTCAACGCCAAACACTCAAGAACAGGCAACTGCAAAAGGGTGTCCAG 1498
Qy 1153 GTAGCAGCTAAAGGGTCAAG--GGTAATCTGGATCTGAATCTGAGCCATATCAGC 1209

RESULT 11
US-10-441-736-13
; Sequence 13, Application US/10441736
; Publication No. US20040016029A1
; GENERAL INFORMATION:
; APPLICANT: Wei, Zhong-Min
; APPLICANT: Schadig, Richard L.
; TITLE OF INVENTION: HYPERSENSITIVE RESPONSE ELICITOR - INDUCED STRESS
; FILE REFERENCE: 21829/20 (EBC-003)
; CURRENT FILING DATE: 2003-05-20
; PRIOR APPLICATION NUMBER: 60/107,243
; PRIOR FILING DATE: 1998-11-05
; PRIOR APPLICATION NUMBER: 09/431,614
; PRIOR FILING DATE: 1999-11-02
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 1729
; TYPE: DNA
; ORGANISM: Pseudomonas syringae
US-10-441-736-13

Query Match 11.5%; Score 155.2; DB 17; Length 1729;
Best Local Similarity 57.1%; Prod. No. 1.7e-40;
Matches 330; Conservative 0; Mismatches 233; Indels 15; Gaps 2;

Qy 745 GGGCTATTACAGACGGTGTGATGACACATTACCGTGAAGGGTCAGTGTGAT 804
Db 1079 GCGGGCAGATCAATGGTGAAGAACACCATCAAGTCGCGCAACTCTTGAC 1138
Qy 805 GGCAAAGACAAACCTTCACCCGGTTCAGATTAGGGATGGCGCAAGTGTGAAAC 864
Db 1119 GCGACCGCCATGTTGAGCTGGTGAAGAACATCTGGTAAACGGCAAAAT 1198
Qy 865 CAGAAACGGCTGTTACTGGAGACGGTGCAGCTGAAACGGTCAAC 924
Db 11199 AACGAGGTGGATGGCATCCAGTCAGGGTGAAGAACGCTAACGGTCAAC 1258
Qy 925 GACGGGGGGATGGTATTATCTTTACG-----GTTATGGCAAAATAGACAT 972
Db 1259 GTGCACTTGCCGAAACGTTGGTGAAGAACGCTAACGGTCAARGGCAGGGCAGCG 1378
Qy 1033 AAATCCCAGGTGAATCTAACAGTCTTGGAGCTGAAAGATCCCTGAG 1092
Db 1319 GTGATGCCAGACGTCGGTGAAGCTAACGGTCAAAAGGGTGTCCAG 1438
Qy 1093 CTGAAATGCCGATACCTGAGCTGAGCTGAAAGACTTGGTACTTT 1152
Db 1339 CTCAACGCCAAACACTCAAGAACAGGCAACTGCAAAAGGGTGTCCAG 1498
Qy 1153 GTAGCAGCTAAAGGGTCAAG--GGTAATCTGGATCTGAATCTGAGCCATATCAGC 1209

Db 1499 GTTCGCAACAAAGCTGGAAAGCACTTGTGATGACATGAGCATGGGATCGAGCTGAACGGCATCGAA 1558
 Qy 1210 GCAGAAGACGGTAGTTCTGTTGTTAAAGGCCATTGGGCTAACGTCAATAC 1269
 Db 1559 GCTAACCCACGGCAAGTTCGCCCTGTGAAGAACGACAGTCTGCAACG 1618
 Db 1270 AGTGTATCTCACTGGTAGTGTGAAACCACATCAA 1307
 Qy 1270 AGTGTATCTCACTGGTAGTGTGAAACCACATCAA 1307
 Db 1619 GGCAACATGGCATGACGGACGTCAAACGGCTAGA 1656

RESULT 13
 US-09-825-414-1
 ; Sequence 1, Application US/09825414
 ; Patent No. US20020083489A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Colimer, Alan R.
 ; APPLICANT: Charkiewski, Amy O.
 ; TITLE OF INVENTION: DNA MOLECULES AND POLYPEPTIDES OF PSEUDOMONAS SYRINGAE
 ; FILE REFERENCE: 19603/3243
 ; CURRENT APPLICATION NUMBER: US/09/825,414
 ; CURRENT FILING DATE: 2001-04-03
 ; PRIOR APPLICATION NUMBER: 60/194,160
 ; PRIOR FILING DATE: 2000-04-03
 ; CURRENT APPLICATION NUMBER: US/10/847,142
 ; CURRENT FILING DATE: 2004-05-17
 ; PRIOR APPLICATION NUMBER: 60/198,359
 ; PRIOR FILING DATE: 2000-04-19
 ; PRIOR APPLICATION NUMBER: 09/435,684
 ; PRIOR FILING DATE: 2001-04-16
 ; NUMBER OF SEQ ID NOS: 12
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 10
 ; LENGTH: 1729
 ; TYPE: DNA
 ; ORGANISM: Pseudomonas syringae
 ; FEATURE:
 ; NAME/KEY: unsure
 ; LOCATION: (29734)
 ; OTHER INFORMATION: n at any position is undefined

US-09-825-414-1
 Query Match 11.5%; Score 155.2; DB 20; Length 1729;
 Best Local Similarity 57.1%; Pred. No. 1.7e-40;
 Matches 330; Conservative 0; Mismatches 233; Indels 15; Gaps 2;

Qy 745 GGCCTTAATCAGACGGTGGCATGACACATTACCGTGAAGCTAGGTGTTGAT 804
 Db 1079 GCGCGCAAGATCATGATGTGGAAAGACACATCAAGGTGGCTGCAAC 1138
 Qy 805 GCGAAAGGCAAACTTCACTCGCGGGTTGAAATTTAGGGATGCGGAGCTGAAAC 864
 Db 1139 GGCACGGGCAACCTTCACTGGGACAATACTGGTAACGGAGAACGGGAAATA 1198
 Qy 865 CAGAACCCGCTGTTATACTGGAGAACGGCTAAAACGTCCACATGGGCCAC 924
 Db 1199 CAGAGGCCATGTTGAGGGCTGAAAGATGTAACCTGGTGA 1258
 Qy 925 GACGGGGCGATGGTTATCTGTTGAGGGATACCTTACG-----GTGTGCAAAATAGACAT 972
 Db 1259 AACAGGGTGATGEGCATCCACGTGAAAGCCAAAACGCTCAGGAATCTGACAA 1318
 Qy 973 CTGACGTACCACTAACGTTGTTGAGGGATACCTTACG-----GTGTGCAAAATAGACAT 1032
 Db 1319 GTGCAATGCCAGAACGTGGCTGAAAGCTGCTGAAAGCTGCAAC 1378
 Qy 1033 AAATCCCACCTGAAATCTAACAGTTCTCGAGCACAGATCTGCGAC 1092
 Db 1379 GTCACTAACTGACATCAAGAAAGCTGCAAAAGGTGAGAAC 1438
 Qy 1093 CTGAAATGCCGATTAACCTGACGGCTGAAACTGGAAGCTTGGTACTTT 1152
 Db 1439 CTCACGCAACACTCTGAAATCGACAATCTCAACGGCGGATTGCGACATG 1498
 Qy 1153 GTAGGCACTAACGGGCTGAACTGAGCTGAACTGCAATCAGC 1209
 Db 1499 GTTCGCAACAAAGCTGGCAAGCAGTGGCATGAGCTGAAACGGCATCGAA 1558

Qy 1210 GCAGAAGACGGTAGTTCTGTTGTTAAAGGCCATTGGGCTAACGTCAATAC 1269
 Db 1559 GCTAACCCACGGCAAGTTCGCCCTGTGAAGAACGACAGTCTGCAACG 1618
 Qy 1270 AGTGTATCTCACTGGTAGTGTGAAACCACATCAA 1307
 Db 1619 GGCAACATGGCATGACGGACGTCAAACGGCTAGA 1656

RESULT 14
 US-09-825-414-1
 ; Sequence 1, Application US/09825414
 ; Patent No. US20020083489A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Colimer, Alan R.
 ; APPLICANT: Charkiewski, Amy O.
 ; TITLE OF INVENTION: DNA MOLECULES AND POLYPEPTIDES OF PSEUDOMONAS SYRINGAE
 ; FILE REFERENCE: 19603/3243
 ; CURRENT APPLICATION NUMBER: US/09/825,414
 ; CURRENT FILING DATE: 2001-04-03
 ; PRIOR APPLICATION NUMBER: 60/194,160
 ; PRIOR FILING DATE: 2000-04-03
 ; CURRENT APPLICATION NUMBER: 60/224,604
 ; PRIOR APPLICATION NUMBER: 60/249,548
 ; PRIOR FILING DATE: 2000-08-11
 ; PRIOR APPLICATION NUMBER: 60/249,548
 ; PRIOR FILING DATE: 2000-11-17
 ; NUMBER OF SEQ ID NOS: 91
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 30365
 ; TYPE: DNA
 ; ORGANISM: Pseudomonas syringae
 ; FEATURE:
 ; NAME/KEY: unsure
 ; LOCATION: (29734)
 ; OTHER INFORMATION: n at any position is undefined

US-09-825-414-1
 Query Match 11.5%; Score 155.2; DB 9; Length 30365;
 Best Local Similarity 57.1%; Pred. No. 7.4e-40;
 Matches 330; Conservative 0; Mismatches 233; Indels 15; Gaps 2;

Qy 745 GGCCTTAATCAGACGGTGGCATGACACATTACCGTGAAGCTAGGTGTTGAT 804
 Db 21826 GCGCGCAAGATCATGATGTGGAAAGACACATCAAGGTGGCTGCAAC 21885
 Qy 745 GCGCTTAATCAGACGGTGGCATGACACATTACCGTGAAGCTAGGTGTTGAT 804
 Db 21886 GGCCACGGGCAACCTTCACTGGGACAATACTATGGTAAACGAGAACGGGAAATA 21945
 Qy 805 GCGAAAGGCAAACTTCACTCGCGGGTTGAAATTTAGGGATGCGGAGCTGAAAC 864
 Db 21946 CAGAGGCCATGTTGAGGGCTGAAAGCGTACGTGAAGATGTGAACTTGTGAG 22015
 Qy 865 CAGAACCCGCTGTTATACTGGAGAACGGCTAAAACGTCCACATGGGCCAC 924
 Db 925 GACGGGGGGATGCTATCTCATCTTACG-----GTGTGCAAAATAGACAT 972
 Db 22006 AACAGGGTGTGATGCCATCACGTAAGCCAAAAGCTGACCATGACAA 22065
 Qy 973 CTGCACTAACGTTGAGGGATACCTGAACTGCAAC 1012
 Db 22066 GTGCAATGCCAGAACGTGGTGAAGACCTGATTAACGGGAGGGCAGCG 22125
 Qy 1033 AAATCCCACCTGAAATCTAACAGTTCTCGAGCACAGATCTGCGAC 1092
 Db 22126 GTCACTAACTGCAATCAAGACAAGGTGCAAGACAGGTGTCAG 22185
 Qy 1093 CTGAAATGCCGATTAACCTGACGGCTGAAACTGGAAGCTTGGTACTTT 1152
 Db 22186 CTCACGCAACACTCTGAAATCGACAATCTCAACGGCGGATTGCGACATG 22245
 Qy 1153 GTACGCACTAACGGTGGCAAGCAGTGGCATGAGCTGAAACGGCATCGAC 1209

Db	384	GTGGCTGGACGTCCGGAGACGGGGAGCTTCAAGACAAAGTCCTCGGGGACGTA	443
Qy	1038	CCAGTTGAATCCTAACAGTTCCTTCAGCACGCCCTGACAAAGATCCTGGAGCTCAA	1097
Db	444	CAAGG-----TGATCGGGGGCGCGAAGTCGGCTCGACAGGTCCTCAAGTC	497
Qy	1098	TGCCGATACTAACCTGAGGGTTGACAACCTGAAAGCCAAGACTTTGGTACITTTGAG	1157
Db	498	CGGGCCGGCACGGTGACCGTGACCGCTCCAGGTGAGAACTTCGGCAAGCTGGTGG	557
Qy	1158	CACTAACCGGC	1167
Db	558	CTCTGGCGC	567

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